

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
Total .....	225	262	761
<b>State of incident</b>			
Alabama .....	3	6	22
Arizona .....	—	—	11
Arkansas .....	—	4	9
California .....	17	19	70
Colorado .....	6	6	7
Connecticut .....	7	—	13
Florida .....	33	14	64
Georgia .....	14	20	41
Idaho .....	—	3	—
Illinois .....	10	5	25
Indiana .....	3	5	13
Iowa .....	—	3	11
Kansas .....	—	—	4
Kentucky .....	—	4	16
Louisiana .....	—	4	10
Maryland .....	—	5	21
Massachusetts .....	—	—	17
Michigan .....	4	8	16
Minnesota .....	—	6	8
Mississippi .....	3	4	12
Missouri .....	8	13	13
Nebraska .....	—	3	6
Nevada .....	3	—	11
New Hampshire .....	—	—	4
New Jersey .....	5	—	29
New Mexico .....	—	6	5
New York (including N.Y.C.) .....	10	6	38
New York City .....	5	3	20
North Carolina .....	7	17	30
Ohio .....	10	7	16
Oklahoma .....	5	8	4
Pennsylvania .....	10	6	33
South Carolina .....	—	5	19
Tennessee .....	9	8	14
Texas .....	8	31	76
Utah .....	—	—	9
Virginia .....	8	11	22
Washington .....	—	4	14
West Virginia .....	3	—	—
Wisconsin .....	3	—	8
Wyoming .....	—	—	3
<b>Employee status</b>			
Wage and salary workers <sup>1</sup> .....	170	251	604
Self-employed <sup>2</sup> .....	55	11	157
<b>Sex</b>			
Men .....	222	255	753
Women .....	3	7	8
<b>Age</b>			
16 to 17 years .....	—	—	4
18 to 19 years .....	6	—	16
20 to 24 years .....	20	25	69
25 to 34 years .....	31	67	162
35 to 44 years .....	55	62	204
45 to 54 years .....	55	65	177

See footnotes at end of table.

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Age - continued</b>			
55 to 64 years .....	43	27	92
65 and over .....	13	15	35
<b>Race or ethnic origin<sup>3</sup></b>			
White .....	149	179	487
Black or African American .....	23	20	50
Hispanic or Latino .....	48	58	204
American Indian or Alaskan Native .....	—	—	4
Asian, Native Hawaiian or Pacific Islander .....	3	—	9
Other races or not reported .....	—	—	7
<b>Event or exposure<sup>4</sup></b>			
<b>Transportation incidents</b> .....	43	122	142
Highway .....	24	50	79
Collision between vehicles, mobile equipment .....	11	18	45
Moving in same direction .....	—	—	6
Moving in opposite directions, oncoming .....	—	8	25
Moving in intersection .....	5	—	6
Moving and standing vehicle, mobile equipment-in roadway .....	—	—	3
Vehicle struck stationary object or equipment on side of road .....	4	10	13
Noncollision .....	6	19	18
Jack-knifed or overturned--no collision .....	6	15	15
Nonhighway (farm, industrial premises) .....	8	14	24
Noncollision accident .....	8	13	23
Fell from and struck by vehicle, mobile equipment .....	—	6	8
Overturned .....	5	4	14
Worker struck by vehicle, mobile equipment .....	9	47	34
Worker struck by vehicle, mobile equipment in roadway .....	—	26	11
Worker struck by vehicle, mobile equipment on side of road .....	—	13	4
Worker struck by vehicle, mobile equipment in parking lot or non-road area .....	7	7	19
Water vehicle .....	—	5	—
Railway .....	—	6	—
Collision between railway vehicle and other vehicle .....	—	6	—
<b>Assaults and violent acts</b> .....	6	3	20
Homicides .....	4	—	12
Hitting, kicking, beating .....	—	—	3
Shooting .....	—	—	9
Suicide, self-inflicted injury .....	—	—	8
<b>Contact with objects and equipment</b> .....	52	78	136
Struck by object .....	30	50	70
Struck by falling object .....	25	27	46
Struck by flying object .....	—	5	4
Struck by swinging or slipping object .....	—	4	8
Struck by rolling, sliding objects on floor or ground level .....	—	10	10
Caught in or compressed by equipment or objects .....	5	10	22
Caught in running equipment or machinery .....	—	—	5
Compressed or pinched by rolling, sliding, or shifting objects .....	—	4	6
Caught in or crushed in collapsing materials .....	13	18	40
Excavation or trenching cave-in .....	3	15	21
Caught in or crushed in collapsing structure .....	9	—	15
<b>Falls</b> .....	106	20	317
Fall to lower level .....	106	19	310
Fall from floor, dock, or ground level .....	8	—	16
Fall through existing floor opening .....	6	—	10
Fall from ladder .....	19	—	59
Fall from roof .....	38	—	121
Fall through existing roof opening .....	—	—	12

See footnotes at end of table.

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Event or exposure<sup>4</sup> - continued</b>			
Fall through roof surface .....	—	—	11
Fall through skylight .....	7	—	20
Fall from roof edge .....	16	—	46
Fall from scaffold, staging .....	19	4	51
Fall from building girders or other structural steel .....	5	3	10
Fall from nonmoving vehicle .....	6	—	12
Fall to lower level, n.e.c. ....	6	10	36
Fall on same level .....	—	—	3
<b>Exposure to harmful substances or environments</b> .....	17	28	125
Contact with electric current .....	11	20	93
Contact with electric current of machine, tool, appliance, light fixture .....	—	—	12
Contact with wiring, transformers, or other electrical component .....	3	—	30
Contact with overhead power lines .....	3	16	41
Struck by lightning .....	—	—	4
Contact with temperature extremes .....	—	—	6
Exposure to environmental heat .....	—	—	6
Exposure to caustic, noxious, or allergenic substances .....	5	—	18
Inhalation of substance .....	—	—	8
Inhalation in open or nonconfined space .....	—	—	6
Ingestion of substance .....	—	—	6
Oxygen deficiency .....	—	7	7
Drowning, submersion .....	—	4	4
<b>Fires and explosions</b> .....	—	11	21
Fires--unintended or uncontrolled .....	—	6	16
Fire in residence, building, or other structure .....	—	—	11
Explosion .....	—	5	5
<b>Primary source<sup>5</sup></b>			
<b>Vehicles</b> .....	39	100	134
Highway vehicle, motorized .....	34	91	117
Automobile .....	5	14	17
Truck .....	27	72	87
Dump truck .....	9	16	21
Pickup truck .....	12	21	36
Semitrailer, tractor trailer, trailer truck .....	3	13	9
Van--passenger or light delivery .....	—	3	5
Plant and industrial powered vehicles, tractors .....	4	3	11
Forklift .....	3	—	7
Tractor .....	—	—	3
Water vehicle .....	—	5	—
<b>Structures and surfaces</b> .....	116	30	335
Floors, walkways, ground surfaces .....	104	26	298
Floors .....	31	—	107
Ground .....	53	15	125
Sidewalks, paths, outdoor walkways .....	4	—	17
Street, road .....	5	—	6
Surfaces below ground level, n.e.c. ....	—	7	6
Ditches, channels, trenches, excavations .....	—	7	6
Parking lots .....	—	—	12
Other structural elements .....	9	—	16
Roof .....	—	—	4
Walls .....	3	—	8
Structures .....	—	4	19
Buildings--office, plant, residential .....	—	—	3
Scaffolds, staging .....	—	—	7
Towers, poles .....	—	—	3
<b>Machinery</b> .....	20	52	81
Construction, logging, and mining machinery .....	13	39	46
Excavating machinery .....	5	16	19

See footnotes at end of table.

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Primary source<sup>5</sup> - continued</b>			
Backhoes .....	4	11	9
Bulldozers .....	—	—	6
Loaders .....	—	4	11
Front end loaders .....	—	—	9
Road grading and surfacing machinery .....	3	17	11
Graders, levellers, planers, scrapers .....	3	4	7
Steam rollers, road pavers .....	—	10	—
Heating, cooling, and cleaning machinery and appliances .....	—	—	7
Cooling and humidifying machinery and appliances .....	—	—	5
Material handling (cranes, conveyers, jacks) .....	7	10	25
Cranes .....	6	8	6
Cranes--mobile, truck, rail mounted .....	5	4	—
Elevators .....	—	—	16
Bucket or basket hoist--truck mounted .....	—	—	5
Manlifts .....	—	—	6
<b>Parts and materials</b> .....	24	31	97
Building materials--solid elements .....	12	12	32
Bricks, blocks, structural stone .....	5	—	9
Pipes, ducts, tubing .....	—	7	6
Structural metal materials .....	5	4	10
Wood, lumber .....	—	—	4
Other building materials--solid elements .....	—	—	3
Fasteners, connectors, ropes, ties .....	—	—	6
Fasteners .....	—	—	3
Machine, tool, and electrical parts .....	7	11	50
Electric parts .....	4	10	48
Electrical wiring .....	3	—	24
Power lines, transformers, convertors .....	—	8	15
Vehicle and mobile equipment parts .....	—	4	5
<b>Persons, plants, animals, and minerals</b> .....	7	18	21
Nonmetallic minerals, except fuel .....	3	13	14
Dirt, earth .....	—	9	13
Plants, trees, vegetation--not processed .....	3	5	3
Trees, logs .....	3	5	3
<b>Chemicals and chemical products</b> .....	6	—	17
Chemical products--general .....	3	—	9
Drugs, alcohol, medicines .....	3	—	9
Other chemicals .....	—	—	6
Oxygen and oxygen compounds, n.e.c. ....	—	—	4
Carbon monoxide .....	—	—	4
<b>Tools, instruments, and equipment</b> .....	5	4	22
Handtools--nonpowered .....	—	4	5
Handtools--powered .....	—	—	7
Cutting handtools .....	—	—	5
Saws--powered, except chainsaws .....	—	—	5
Ladders .....	—	—	10
Ladders--movable .....	—	—	7
Extension ladders .....	—	—	5
<b>Containers</b> .....	—	6	4
Containers--nonpressurized .....	—	6	—
<b>Other</b> .....	8	20	50
Furniture and fixtures .....	—	—	3
Other fixtures .....	—	—	3
Ammunition .....	4	—	12
Bullets .....	4	—	12
Atmospheric and environmental conditions .....	3	10	29
Fire, flame, smoke .....	—	7	15
Fire, flame .....	—	7	14
Temperature extreme .....	—	—	6

See footnotes at end of table.

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Primary source<sup>5</sup> - continued</b>			
Heat--environmental .....	—	—	6
Weather and atmospheric conditions .....	—	—	5
Lightning .....	—	—	4
Steam, vapors, liquids .....	—	6	5
Liquids .....	—	4	5
Water .....	—	4	5
<b>Secondary source<sup>6</sup></b>			
<b>Vehicles</b> .....	23	36	67
Highway vehicle, motorized .....	13	30	56
Automobile .....	—	6	6
Truck .....	12	23	45
Dump truck .....	—	8	4
Pickup truck .....	5	—	14
Semitrailer, tractor trailer, trailer truck .....	—	6	20
Plant and industrial powered vehicles, tractors .....	9	—	9
Forklift .....	5	—	9
Tractor .....	3	—	—
Rail vehicle .....	—	6	—
Train .....	—	6	—
<b>Structures and surfaces</b> .....	67	40	224
Floors, walkways, ground surfaces .....	10	12	27
Floors .....	6	—	20
Street, road .....	—	3	—
Surfaces below ground level, n.e.c. ....	—	6	—
Ditches, channels, trenches, excavations .....	—	6	—
Other structural elements .....	37	—	133
Fences, fence panels .....	—	—	3
Roof .....	27	—	86
Walls .....	—	—	7
Structures .....	20	26	63
Bridges, dams, locks .....	—	4	—
Buildings--office, plant, residential .....	—	—	4
Mines, caves, tunnels .....	—	6	—
Scaffolds, staging .....	17	4	48
Towers, poles .....	—	9	—
Other structures .....	—	—	5
Guardrails, road dividers .....	—	—	3
<b>Machinery</b> .....	17	21	49
Construction, logging, and mining machinery .....	4	12	8
Excavating machinery .....	—	9	4
Backhoes .....	—	5	—
Loaders .....	—	—	3
Material handling (cranes, conveyers, jacks) .....	11	5	37
Cranes .....	6	—	11
Cranes--mobile, truck, rail mounted .....	—	—	5
Cranes--portal, tower, pillar .....	3	—	—
Elevators .....	5	—	18
Bucket or basket hoist--truck mounted .....	—	—	6
Manlifts .....	—	—	8
Jacks .....	—	—	6
<b>Parts and materials</b> .....	13	21	73
Building materials--solid elements .....	7	5	15
Bricks, blocks, structural stone .....	—	—	3
Structural metal materials .....	4	3	6
Wood, lumber .....	—	—	4
Fasteners, connectors, ropes, ties .....	—	3	6
Ropes, ties .....	—	3	4
Machine, tool, and electrical parts .....	3	12	50
Electric parts .....	3	12	47

See footnotes at end of table.

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Secondary source<sup>6</sup> - continued</b>			
Electrical wiring .....	—	—	5
Power lines, transformers, convertors .....	3	11	36
<b>Persons, plants, animals, and minerals</b> .....	<b>8</b>	<b>9</b>	<b>28</b>
Nonmetallic minerals, except fuel .....	—	—	3
Dirt, earth .....	—	—	3
Person--other than injured or ill worker .....	—	—	11
Co-worker, former co-worker or injured worker .....	—	—	4
Robber <sup>7</sup> .....	—	—	3
Plants, trees, vegetation--not processed .....	3	7	13
Trees, logs .....	3	7	13
<b>Chemicals and chemical products</b> .....	<b>—</b>	<b>7</b>	<b>11</b>
Chemical products--general .....	—	—	6
Coal, natural gas, petroleum fuels and products .....	—	5	—
Petroleum fuels, distillates, products, unspecified .....	—	5	—
Gasoline, diesel fuel, jet fuel .....	—	5	—
<b>Tools, instruments, and equipment</b> .....	<b>23</b>	<b>—</b>	<b>73</b>
Handtools--powered .....	—	—	7
Ladders .....	18	—	63
Ladders--fixed .....	—	—	3
Ladders--movable .....	12	—	44
Extension ladders .....	3	—	17
Step ladders .....	4	—	8
<b>Containers</b> .....	<b>—</b>	<b>4</b>	<b>9</b>
Containers-nonpressurized .....	—	—	4
Tanks, bins, vats .....	—	—	4
Skids, pallets .....	—	—	3
<b>Other</b> .....	<b>10</b>	<b>12</b>	<b>18</b>
Furniture and fixtures .....	—	—	8
Cases, cabinets, racks, and shelves .....	—	—	5
Other fixtures .....	—	—	3
Atmospheric and environmental conditions .....	6	5	6
Weather and atmospheric conditions .....	5	4	6
Ice, sleet, snow .....	—	—	3
Steam, vapors, liquids .....	—	5	3
Liquids .....	—	5	3
Water .....	—	5	3
<b>Not reported</b> .....	<b>62</b>	<b>110</b>	<b>209</b>
<b>Nature<sup>4</sup></b>			
<b>Traumatic injuries to bones, nerves, spinal cord</b> .....	<b>6</b>	<b>7</b>	<b>22</b>
Traumatic injuries to spinal cord .....	3	—	3
Multiple traumatic injuries to bones, nerves, spinal cord .....	—	4	16
<b>Open wounds</b> .....	<b>10</b>	<b>5</b>	<b>24</b>
Cuts, lacerations .....	—	—	6
Gunshot wounds .....	4	—	12
Punctures, except bites .....	—	—	5
<b>Burns</b> .....	<b>—</b>	<b>8</b>	<b>18</b>
Heat burns, scalds .....	—	8	15
<b>Intracranial injuries</b> .....	<b>78</b>	<b>56</b>	<b>199</b>
Multiple intracranial injuries .....	53	38	135
Intracranial injuries, n.e.c. .....	—	—	3
<b>Effects of environmental conditions</b> .....	<b>—</b>	<b>—</b>	<b>6</b>
Effects of heat and light .....	—	—	6

See footnotes at end of table.

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Nature<sup>4</sup> - continued</b>			
Heat stroke .....	—	—	6
<b>Multiple traumatic injuries and disorders</b> .....	77	88	255
Burns and other injuries .....	—	—	6
Intracranial injuries and injuries to internal organs .....	24	29	87
Other combinations of traumatic injuries .....	11	11	34
<b>Other traumatic injuries and disorders</b> .....	49	95	232
Asphyxiations/strangulations, suffocations <sup>8</sup> .....	6	23	35
Drownings .....	—	11	8
Electrocutions, electric shocks .....	10	19	92
Internal injuries to organs and blood vessels of the trunk .....	26	39	77
Other poisonings and toxic effects .....	6	—	19
Other poisonings and toxic effects, n.e.c. ....	6	—	16
<b>Part of body<sup>4</sup></b>			
<b>Head</b> .....	81	59	209
Cranial region, including skull .....	78	57	201
Brain .....	78	57	201
<b>Neck, including throat</b> .....	5	4	19
Neck, except internal location of diseases or disorders .....	5	4	19
<b>Trunk</b> .....	31	46	89
Chest, including ribs, internal organs .....	16	19	39
Back, including spine, spinal cord .....	—	—	5
Abdomen .....	3	5	—
Pelvic region .....	—	—	3
Multiple trunk locations .....	7	16	36
<b>Upper extremities</b> .....	3	—	—
<b>Lower extremities</b> .....	—	4	5
<b>Body systems</b> .....	24	55	156
<b>Multiple body parts</b> .....	79	94	281
<b>Worker activity</b>			
<b>Vehicular and transportation operations</b> .....	43	110	141
Driving, operating .....	29	50	91
Automobile .....	3	3	8
Truck .....	17	34	44
Industrial or construction vehicle .....	8	11	25
Riding in, on .....	7	22	26
Truck .....	4	15	18
Industrial/construction vehicle .....	—	4	3
Boarding, alighting .....	—	5	4
Directing, flagging traffic .....	—	7	4
Walking in or near roadway, etc., n.e.c. ....	4	22	12
Vehicular and transportation operations, n.e.c. ....	—	—	3
<b>Using or operating tools, machinery</b> .....	11	24	51
Operating heavy equipment .....	—	11	17
Crane .....	—	4	5
Earth moving machinery .....	—	—	5
Materials handling machinery .....	—	—	4
Using power tools .....	4	3	11
Using nonpowered hand tools .....	—	—	5
Operating or reading gauges, valves, switches .....	—	—	5
Welding .....	—	—	9

See footnotes at end of table.

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Worker activity - continued</b>			
Logging, trimming, pruning .....	—	3	—
<b>Constructing, repairing, cleaning</b> .....	133	93	440
Construction, assembling, dismantling .....	96	56	272
Constructing, assembling .....	48	11	54
Installing .....	17	27	132
Dismantling, removing .....	8	8	41
Repair, maintenance .....	12	22	89
Repairing .....	10	14	55
Maintenance .....	—	3	8
Adjusting .....	—	—	5
Unjamming .....	—	—	3
Inspecting or checking .....	6	3	13
Cleaning, washing .....	3	—	7
Painting, etc. ....	3	3	35
Constructing, repairing, cleaning, n.e.c. ....	—	—	3
<b>Materials handling operations</b> .....	12	15	43
Lifting materials .....	—	—	3
Carrying materials .....	—	—	6
Loading, unloading (packing, unpacking) materials .....	5	9	16
Retrieving objects .....	—	—	3
Materials handling, n.e.c. ....	4	5	12
<b>Physical activity<sup>9</sup>, n.e.c.</b> .....	20	16	57
<b>All other activities</b> .....	6	3	29
Office work .....	—	—	5
Activity, n.e.c. ....	6	3	23
<b>Location</b>			
<b>Street or highway</b> .....	28	151	124
Street and highway, unspecified .....	3	—	5
Interstate, freeway, or expressway .....	3	19	26
Other highway (State or U.S.) .....	14	20	35
Local road or street .....	6	27	41
Road construction <sup>10</sup> .....	—	79	11
<b>Industrial place or premise</b> .....	86	81	310
Industrial place and premises, unspecified .....	—	—	4
Warehouse .....	—	—	6
Construction site .....	76	65	252
Factory, plant .....	—	—	26
Industrial place or premises, nec .....	3	6	15
<b>Other specified place<sup>11</sup></b> .....	5	12	23
Parking lot, garage (except employer's premises) .....	—	—	5
River .....	—	4	—
Woods .....	—	—	8
<b>Public building<sup>12</sup></b> .....	11	—	71
Hotel, motel .....	—	—	5
Office building .....	6	—	17
Restaurant, cafe .....	—	—	3
Shop, commercial store (except grocery) .....	—	—	21
School (State, public, private) .....	—	—	6
<b>Farm</b> .....	—	—	6
Farm buildings .....	—	—	4
<b>Private residence<sup>13</sup></b> .....	90	10	215
Apartment .....	—	—	7
Residential construction <sup>14</sup> .....	80	7	160

See footnotes at end of table.



TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Location - continued</b>			
<b>Mine, quarry</b> .....	—	5	—
Gravel, sand pit .....	—	3	—
<b>Unspecified place</b> .....	—	—	9
<b>Occupation<sup>15</sup> (SOC)</b>			
<b>Management occupations</b> .....	28	14	52
Other management occupations .....	28	14	52
Construction managers .....	28	14	50
Construction managers .....	28	14	50
<b>Architecture and engineering occupations</b> .....	—	5	—
Engineers .....	—	3	—
Civil engineers .....	—	3	—
Civil engineers .....	—	3	—
<b>Protective service occupations</b> .....	—	3	—
Other protective service workers .....	—	3	—
Miscellaneous protective service workers .....	—	3	—
Crossing guards .....	—	3	—
<b>Building and grounds cleaning and maintenance occupations</b> .....	—	3	3
<b>Office and administrative support occupations</b> .....	—	—	3
<b>Construction and extraction occupations</b> .....	189	173	582
Supervisors, construction and extraction workers .....	22	15	58
First-line supervisors/managers of construction trades and extraction workers .....	22	15	58
First-line supervisors/managers of construction trades and extraction workers .....	22	15	58
Construction trades workers .....	163	132	497
Boilermakers .....	—	—	4
Boilermakers .....	—	—	4
Brickmasons, blockmasons, and stonemasons .....	5	—	13
Brickmasons and blockmasons .....	5	—	13
Carpenters .....	44	6	53
Carpenters .....	44	6	53
Carpet, floor, and tile installers and finishers .....	—	—	6
Cement masons, concrete finishers, and terrazzo workers .....	—	—	10
Cement masons and concrete finishers .....	—	—	10
Construction laborers .....	90	67	119
Construction laborers .....	90	67	119
Construction equipment operators .....	6	31	20
Paving, surfacing, and tamping equipment operators .....	—	8	—
Operating engineers and other construction equipment operators .....	5	22	19
Drywall installers, ceiling tile installers, and tapers .....	—	—	11
Drywall and ceiling tile installers .....	—	—	11
Electricians .....	—	8	64
Electricians .....	—	8	64
Glaziers .....	—	—	3
Glaziers .....	—	—	3
Painters and paperhangers .....	—	3	52
Painters, construction and maintenance .....	—	3	52
Pipelayers, plumbers, pipefitters, and steamfitters .....	—	12	18
Pipelayers .....	—	6	—
Plumbers, pipefitters, and steamfitters .....	—	6	16
Plasterers and stucco masons .....	—	—	3
Plasterers and stucco masons .....	—	—	3
Roofers .....	5	—	88
Roofers .....	5	—	88

See footnotes at end of table.

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Occupation<sup>15</sup> (SOC) - continued</b>			
Sheet metal workers .....	—	—	9
Sheet metal workers .....	—	—	9
Structural iron and steel workers .....	6	—	22
Structural iron and steel workers .....	6	—	22
Helpers, construction trades .....	3	3	15
Helpers, construction trades .....	3	3	15
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters .....	—	—	3
Helpers--electricians .....	—	—	8
Other construction and related workers .....	—	18	12
Elevator installers and repairers .....	—	—	6
Elevator installers and repairers .....	—	—	6
Highway maintenance workers .....	—	16	—
Highway maintenance workers .....	—	16	—
Miscellaneous construction and related workers .....	—	—	5
Construction and related workers, all other .....	—	—	4
Extraction workers .....	—	5	—
Earth drillers, except oil and gas .....	—	5	—
Earth drillers, except oil and gas .....	—	5	—
<b>Installation, maintenance, and repair occupations</b> .....	—	16	59
Supervisors of installation, maintenance, and repair workers .....	—	—	5
First-line supervisors/managers of mechanics, installers, and repairers .....	—	—	5
First-line supervisors/managers of mechanics, installers, and repairers .....	—	—	5
Electrical and electronic equipment mechanics, installers, and repairers .....	—	3	—
Vehicle and mobile equipment mechanics, installers, and repairers .....	—	—	6
Heavy vehicle and mobile equipment service technicians and mechanics .....	—	—	5
Mobile heavy equipment mechanics, except engines .....	—	—	5
Other installation, maintenance, and repair occupations .....	—	9	46
Heating, air conditioning, and refrigeration mechanics and installers .....	—	—	21
Heating, air conditioning, and refrigeration mechanics and installers .....	—	—	21
Industrial machinery installation, repair, and maintenance workers .....	—	—	5
Millwrights .....	—	—	3
Line installers and repairers .....	—	7	12
Electrical power-line installers and repairers .....	—	4	9
Telecommunications line installers and repairers .....	—	3	3
Miscellaneous installation, maintenance, and repair workers .....	—	—	7
Manufactured building and mobile home installers .....	—	—	3
Installation, maintenance, and repair workers, all other .....	—	—	3
<b>Production occupations</b> .....	—	8	12
Metal workers and plastic workers .....	—	6	11
Welding, soldering, and brazing workers .....	—	6	11
Welders, cutters, solderers, and brazers .....	—	6	11
<b>Transportation and material moving occupations</b> .....	5	38	44
Motor vehicle operators .....	4	26	27
Driver/sales workers and truck drivers .....	4	26	27
Truck drivers, heavy and tractor-trailer .....	4	23	25
Truck drivers, light or delivery services .....	—	3	—
Material moving workers .....	—	10	17
Crane and tower operators .....	—	4	5
Crane and tower operators .....	—	4	5
Dredge, excavating, and loading machine operators .....	—	4	7
Excavating and loading machine and dragline operators .....	—	—	7
Industrial truck and tractor operators .....	—	—	3
Industrial truck and tractor operators .....	—	—	3
<b>Industry<sup>16</sup> (NAICS)</b>			
<b>Private industry</b> .....	225	220	759

See footnotes at end of table.

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Industry<sup>16</sup> (NAICS) - continued</b>			
<b>Goods-producing</b> .....	225	220	759
<b>Construction</b> .....	225	220	759
<b>Construction</b> .....	225	220	759
Construction of buildings .....	225	—	—
Residential building construction .....	118	—	—
Residential building construction .....	118	—	—
New single-family housing construction (except operative builders) .....	41	—	—
New multi-family housing construction (except operative builders) .....	9	—	—
New housing operative builders .....	5	—	—
Residential remodelers .....	31	—	—
Nonresidential building construction .....	81	—	—
Industrial building construction .....	24	—	—
Commercial and institutional building construction .....	49	—	—
Heavy and civil engineering construction .....	—	220	—
Utility system construction .....	—	95	—
Water and sewer line and related structures construction .....	—	53	—
Oil and gas pipeline and related structures construction .....	—	9	—
Power and communication line and related structures construction .....	—	30	—
Highway, street, and bridge construction .....	—	100	—
Highway, street, and bridge construction .....	—	100	—
Other heavy and civil engineering construction .....	—	23	—
Other heavy and civil engineering construction .....	—	23	—
Specialty trade contractors .....	—	—	759
Residential specialty trade contractors .....	—	—	4
Foundation, structure, and building exterior contractors .....	—	—	301
Poured concrete foundation and structure contractors .....	—	—	36
Residential concrete foundation and structure contractors .....	—	—	7
Nonresidential concrete foundation and structure contractors .....	—	—	8
Structural steel and precast concrete contractors .....	—	—	37
Nonresidential structural steel and precast concrete contractors .....	—	—	17
Framing contractors .....	—	—	34
Residential framing contractors .....	—	—	15
Masonry contractors .....	—	—	48
Residential masonry contractors .....	—	—	10
Nonresidential masonry contractors .....	—	—	12
Glass and glazing contractors .....	—	—	8
Nonresidential glass and glazing contractors .....	—	—	4
Roofing contractors .....	—	—	116
Residential roofing contractors .....	—	—	22
Nonresidential roofing contractors .....	—	—	32
Siding contractors .....	—	—	11
Residential siding contractors .....	—	—	7
Other foundation, structure, and building exterior contractors .....	—	—	9
Building equipment contractors .....	—	—	189
Electrical contractors .....	—	—	100
Residential electrical contractors .....	—	—	8
Nonresidential electrical contractors .....	—	—	31
Plumbing, heating, and air-conditioning contractors .....	—	—	71
Residential plumbing, heating, and air-conditioning contractors .....	—	—	19
Nonresidential plumbing, heating, and air-conditioning contractors .....	—	—	16
Other building equipment contractors .....	—	—	18
Nonresidential other building equipment contractors .....	—	—	14
Building finishing contractors .....	—	—	123
Drywall and insulation contractors .....	—	—	28
Nonresidential drywall and insulation contractors .....	—	—	10
Painting and wall covering contractors .....	—	—	56
Residential painting and wall covering contractors .....	—	—	12
Nonresidential painting and wall covering contractors .....	—	—	14
Flooring contractors .....	—	—	9
Tile and terrazzo contractors .....	—	—	4
Finish carpentry contractors .....	—	—	19

See footnotes at end of table.

TABLE F-5. Fatal occupational injuries to workers in construction industry subsectors by selected characteristics, 2004 — Continued

Characteristics	Construction of buildings	Heavy and civil engineering construction	Specialty trade contractors
<b>Industry<sup>16</sup></b>			
<b>(NAICS) - continued</b>			
Residential finish carpentry contractors .....	-	-	10
Other building finishing contractors .....	-	-	5
Other specialty trade contractors .....	-	-	140
Site preparation contractors .....	-	-	98
Residential site preparation contractors .....	-	-	13
Nonresidential site preparation contractors .....	-	-	27
All other specialty trade contractors .....	-	-	41
Residential all other specialty trade contractors .....	-	-	5
Nonresidential all other specialty trade contractors .....	-	-	12
<b>Government<sup>17</sup></b> .....	-	42	-
<b>State government</b> .....	-	15	-
<b>Goods-producing</b> .....	-	15	-
<b>Construction</b> .....	-	15	-
<b>Construction</b> .....	-	15	-
Heavy and civil engineering construction .....	-	15	-
Highway, street, and bridge construction .....	-	15	-
Highway, street, and bridge construction .....	-	15	-
<b>Local government</b> .....	-	27	-
<b>Goods-producing</b> .....	-	27	-
<b>Construction</b> .....	-	27	-
<b>Construction</b> .....	-	27	-
Heavy and civil engineering construction .....	-	27	-
Highway, street, and bridge construction .....	-	26	-
Highway, street, and bridge construction .....	-	26	-

1 May include volunteers and workers receiving other types of compensation.  
2 Includes self-employed workers, owners of unincorporated businesses and farms, paid and unpaid family workers, and may include some owners of incorporated businesses or members of partnerships.  
3 Persons identified as Hispanic or Latino may be of any race. The racial categories shown exclude data for Hispanics and Latinos.  
4 Based on the 1992 BLS Occupational Injury and Illness Classification Manual.  
5 The primary source of injury identifies the object, substance, or exposure that directly produced or inflicted the injury. For most transportation incidents, the primary source identifies the vehicle in which the deceased was an occupant. For most falls, the primary source identifies the surface or object contacted.  
6 The secondary source of injury, if any, identifies the object, substance, or person that generated the source of injury or that contributed to the event or exposure. For vehicle collisions, the deceased's vehicle is the primary source and the other object (truck, road divider, etc.) is the secondary source. For most homicides, the "bullet" is the primary source and the "perpetrator" is the secondary source. For most falls, the secondary source identifies the equipment or surface from which the worker fell.  
7 The category "Robber" was instituted beginning with 1997 data, which was partial year reporting.  
8 May include some asphyxiations due to chest compressions.  
9 Includes, but is not limited to, walking, sitting, running, and climbing ladders or stairs.  
10 The road construction location category was implemented in 1995. Includes road construction workers and vehicle occupants fatally injured in work zones. Work zones include construction, maintenance, and utility work on a road, street, or highway.  
11 Primarily includes outdoor areas such as bodies of water, woods, noncultivated fields, and parking lots.  
12 Includes buildings and adjacent grounds used by the general public or a particular group, such as hotels, restaurants, stores, office buildings, courthouses, and schools.  
13 Private residence fatalities primarily occurred to repair or maintenance workers, police while on duty, firefighters, or residential construction workers.  
14 The residential construction location category was implemented in 1998.  
15 Based on the 2000 Standard Occupational Classification system.  
16 Based on the North American Industry Classification System, 2002.  
17 Includes fatalities to workers employed by governmental organizations regardless of industry.  
NOTE: Totals for 2004 are revised and final. Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. N.e.c. means "not elsewhere classified."  
SOURCE: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with State, New York City, District of Columbia, and Federal agencies, Census of Fatal Occupational Injuries